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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/815,861	04/02/2004	I-Chang Hsu	BHT-3092-424	9870

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SUITE 1404  
5205 LEESBURG PIKE  
FALLS CHURCH, VA 22041

EXAMINER
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GILMAN, ALEXANDER

ART UNIT	PAPER NUMBER
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2833

DATE MAILED: 10/11/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/815,861

Applicant(s)

HSU ET AL.

Examiner

Alexander D. Gilman

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 19 August 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 13-24 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 13-24 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

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## **DETAILED ACTION**

### ***Response to Amendment***

The amendment filed 08/19/2005 is objected to under 35 U.S.C. 132(a) because it introduces new matter into the disclosure. 35 U.S.C. 132(a) states that no amendment shall introduce new matter into the disclosure of the invention. The added material which is not supported by the original disclosure is as follows: The original disclose (neither the specification nor claims) does not present a first insulation layer 10 and a second insulation layer 11.

Applicant is required to cancel the new matter in the reply to this Office Action.

### ***Claim Rejections - 35 USC § 112***

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims s 13-24 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

Claim 13, line 12 include "an insulation layer"

Claim 13, lines 12, 16 include Claim 13, line 12 include respectively "a first insulation layer" and "a second insulation layer".

The original disclose (neither the specification nor claims) does not present a first insulation layer and a second insulation layer.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

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(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 13, 17 are, as they can be understood due to 112 problem, rejected under 35

U.S.C. 102(b) as being anticipated by Lopata et al.

With regard to claim 13, Lopata et al (US 6,299,487) disclose an electrical connector with grounding structure, which comprises:

an insulating body (104) , a plurality of transmitting terminals (some of 131, 132) inserted into the insulating body,

a cable assembly (Fig. 9, 10), comprising predetermined transmitting units (136) positioned over said transmitting terminals and a plurality of jacket layers with fixing and conducting effect enclosed outside said transmitting units,

a grounding part, comprising a contacting part (133a) for contacting with said jacket layer (135) , and comprising predetermined grounding terminals (some of 131) extended directly from said contacting part for inserting into said insulating body; and

an outer jacket (110), encasing all aforesaid elements inside.

With regard to claim 17, Lopata et al disclose that said grounding part is made of an electrical contact material

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 14, 15, 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lopata et al in view of Peloza et al.

With regard to claim 14, Lopata et al disclose all of the limitations except for conducting part enclosed over said jacket layer and

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said grounding part to improve the contact effect.

Peloza et al (US 6,722,898) disclose conducting part (42) enclosed over said jacket layer and said grounding part (col. 5, lines 55-60)

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the Lopata et al device with the conducting part , as taught by Peloza et al , to improve electricla shielding.

With regard to claim 15, Lopata et al when modified by Peloza et al disclose (Peloza et al) that said conducting part is made of metal material with electrical characteristics such as copper sheet (col. 6, line 19, 20); .

With regard to claim 18, Lopata et al when modified by Peloza et al disclose (Peloza et al) that said both sides of said contacting portion comprise a wing portion respectively to provide pressing and fitting, so as to cause said grounding part and said jacket layer having better conducting effect.

Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lopata et al in view of Kao  
Lopata et al disclose all of the limitations except for said jacket layer being an aluminum foil Mylar.

Kao (US 6,724,282) discloses jacket layer being an aluminum foil Mylar (col. 1, lines 15-21).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the Lopata et al device with the jacket layer being an aluminum foil Mylar, as taught by Kao, to ensure no reflection signal transmission.

Claims 19-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lopata et al in view of Peloza et al and further in view of Chandler et al, Kao, Nakamura.

With regard to claims 19-22, 24, Lopata et al alone, Lopata when modified by Peloza et al, and Lopata et al when modified by Kao, disclose all of the limitations, as applied respectively to claims 1-6 above except for:

open end of said metal braid and said metal braid being bent from inwardly to outwardly and extended outside said cable;

the second conducting part being used to enclose over said metal braid ;

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one end of said metal housing has a holding portion mainly using to hold said metal braid and said conducting part enclosed outside.

Chandler (Re. 32,760) disclose (col. 4, lines 29-34) opening end of said metal braid (129) and said metal braid being bent from inwardly to outwardly and extended outside said cable;

another conducting parts (127) being used to enclose over said metal braid ;

Nakamura (US 5,456,618) discloses that one end of said metal housing has a holding portion (69) mainly using to hold said metal braid and said conducting part enclosed outside.

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the Lopata et al device with the grounding features , as taught by Chandler and Nakamura, to ensure dependable grounding.

With regard to claim 23, Lopata et al when modified by Peloza disclose that said insulating layer (16) is an insulating gummed tape.

#### ***Response to Arguments***

Applicant's arguments filed 08/19/2005 have been fully considered but they are not persuasive.

In response to applicant's argument that there is no suggestion to combine the references, the examiner recognizes that obviousness can only be established by combining or modifying the teachings of the prior art to produce the claimed invention where there is some teaching, suggestion, or motivation to do so found either in the references themselves or in the knowledge generally available to one of ordinary skill in the art. See *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988) and *In re Jones*, 958 F.2d 347, 21 USPQ2d 1941 (Fed. Cir. 1992). In this case, the secondary references of Peloza et al , Kao, Chandler, Nakamura, all of them related to electrical connector grounding, teach the respective features and material which are generally available to one skilled in the area of grounding cable electrical connectors.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander D. Gilman whose telephone number is 571 272-2004. The examiner can normally be reached on Monday-Friday, 10:30 a.m. - 8:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on 571 272-2800 ext. 33. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

10/05/2005



ALEXANDER GILMAN  
PRIMARY EXAMINER